



Manual

Evaporative Air Cooler

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AIRBLASTER 11



AIRBLASTER 21



AIRBLASTER 14
AIRBLASTER 14-HT



AIRBLASTER 22



AIRBLASTER 12



AIRBLASTER 12NV

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Foreword

Thank you for your trust and support for choosing our Evaporative Air Cooler!

Please read this manual carefully before using it.

The Evaporative Air Cooler comes with the Most Advanced evaporative cooling technology and the Modern management. It will make your life easier and more comfortable.

Principle of work

When the wind blows on your sweaty body, you will feel cool. Its principle is similar with that -- Circulating pump continuously suck water from the sump and distribute water equably to the CELDEK cooling pads by the water distributor, and then the water on the cooling pads effects with the outside hot dry air and evaporate to drop the temperature by 5--12 degree. Thus you have the fresh, cooler, clean air.

Attention

- 1) Must be installed in well-ventilated and dry place to ensure fresh air can be bring in.
- 2) Mechanical may be combined with natural exhaust.
- 3) Ensure the supply voltage is within the rate $\pm 10V$ range, otherwise it will break the cooler such as cannot start the cooler or start and stop frequently.
- 4) Do not add full of water to prevent spillover.

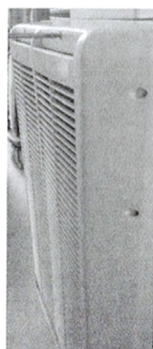
Inspection and preparation before assembling

- 1) Please open the side panel to check the parts and the technical parameters (the manual), if the parts are incomplete or breakage, Leave it as it is, and inform us or the distributor.
- 2) Check if the supply voltage is same as the rated one. Make the phase voltage is 220+/- 10V.
- 3) Make sure the water is clean.

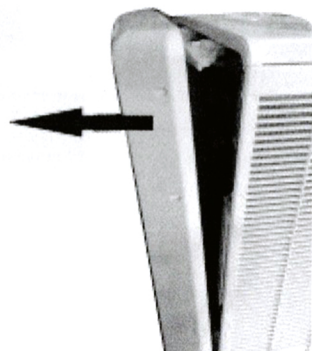
Guide for installation and uninstall of side panel

- 1) Please open the side panel to check the parts and the technical parameters, if the parts are incomplete or breakage, Leave it as it is, and inform us or the distributor.
- 2) Check if the supply voltage is same as the rated one. Make the phase voltage is 220+/- 10V.
- 3) Make sure the water used for cooler is clean.

Guide for installation and uninstall of side panel



Pic 1



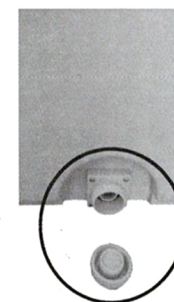
Pic 2

- 1) Pull up 2 pieces of dust screens
- 2) Loose 10 bolts with cross screwdriver, as Pic 1, then pull out side panel and take it out, as Pic 2
- 3) Please install by contrary step as above.

Guide for add water and drain



Pic 3



Pic 4

Add water:

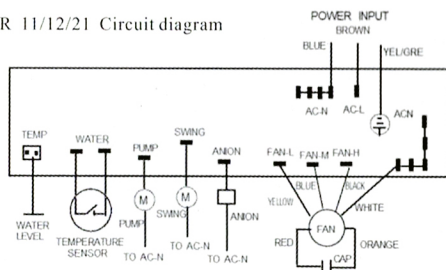
1. Pull out the affusion hole, as pic 3;
2. Add water from this hole, as pic 3.

Drain:

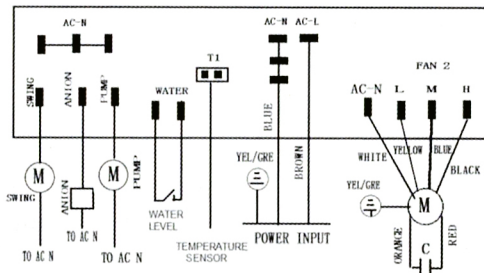
Open the valve cover for draining, also close it clockwise after drain, as pic 4.

Circuit diagram

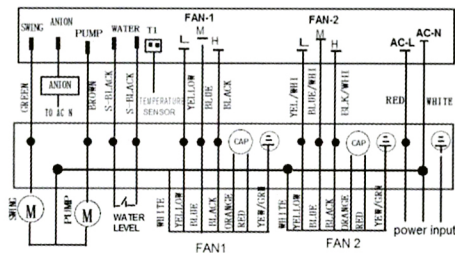
1) AIRBLASTER 11/12/21 Circuit diagram



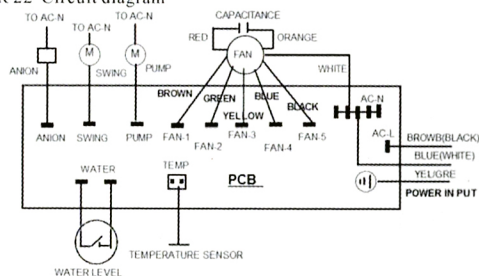
2) AIRBLASTER 12NV Circuit diagram



3) AIRBLASTER 14/14HT Circuit diagram

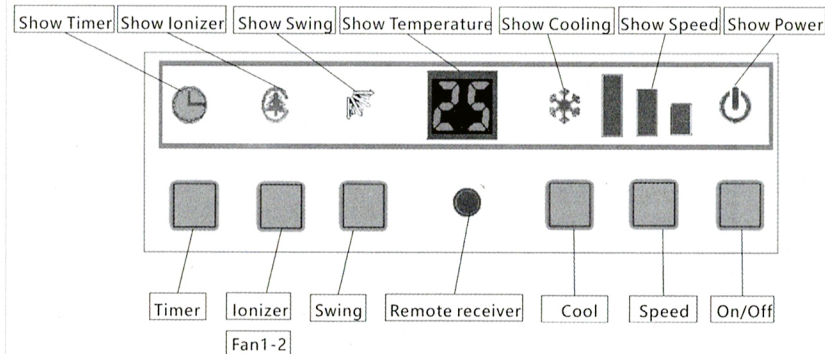


4) AIRBLASTER 22 Circuit diagram



Operating instructions

• Introduction of the LCD controller:



• Introduction of remote controller

- 1) ON/OFF :Start the cooler in stand-by state or stop
- 2) Cool: Switch to cool mode or ventilation mode
- 3) Speed + : Increase airflow from low speed to mid speed and high speed,the rank is 1-2-3-1
- 4) Speed-: Decrease from airflow high speed to low speed.
- 5) Swing: Start or stop swing
- 6) Timer: Start timing function
- 7) Ionizer:switch on/off the function of anion
Fan1-2:Switch on/off for down and top fan(only for Airblaster 14)



• Operating introduction

1)ON/OFF:

Press this button under state of stand-by, then it will start running. The mode and the airflow will be the same as last state when you power off . The speed is at 2 speed and the cool function is ON when you power it at first time. The airflow will be showed at the range of L、M、H from left to right dynamically.

Press this button while the cooler is operating, it will stop and only temperature will be showed on it.

2)Speed adjustable:

Press "speed" button on the LCD controller or "speed+" and "speed-" on the remote controller to increase or decrease it. It can be changed from L-M-H-L-M-H... and that will be showed on the "speed indicator".

3)Mode

Press "Cool" button on the LCD controller ,the mode will be changed by COOL-VENTILATION-COOL...

When the cooler is operating, switch to COOLmode, it will be forced to run for 30s in lowest speed and then come back to speed last, it will not affect the speed displays on the remote LED screen.

4)Swing

The "Show swing" button will be lighted on when pressing the "swing" button on the LCD controller or remote controller, it controls the switch of swing function.

5)Ionizer

The "Show ionizer" button will be lighted on when pressing "Ionizer" button on the LCD controller or remote controller during operation , it controls the start and stop function of the ionizer.

6)Timer

"Timer" set to start or stop the air cooler automatically after N hours later. It is set by the hour. It will start the air cooler automatically in the stand-by state and stop it automatically when it is running during the time is arrived.

" H x" ("x" means the time you set) will be showed on the temperature indicator during the time is setting, and the temperature will be showed again on it after the timer takes effective.

The "Timer" will be flickering when pressing the button and you can change the time by pressing the "Speed" 9 hours is the maximum.

The timer will be working automatically after 5 seconds when you finish setting and the "Timer" will be lasting lighted on.

How to cancel the time set

- Set the time 00
- Press the "ON/OFF" button when the "TIMER" flickering during setting
- Press the "ON/OFF" button after the timer takes effective.

Evaporative Air Cooler

Clean and maintaining

Please Power OFF the cooler before cleaning,

1)Shell Cleaning: please clean with mild cleaner and the soft cloth.

2)Wet pad cleaning: take out the pad and brush the dust on its surface with SOFT brusher.

3)Maintenance :

- We advise to clean dust screen and wet pad once per two weeks to ensure cooling effecton.
- We advise that draining water everyday and cleaning to keep fresh air.
- If it would be a long time no using the air cooler,please power off and drain out water.

Trouble shooting

NO.	Problem	Reason	Solution
1	Air cooler does not work	Power off or incorrect power connection	Power on or check and connect power correctly
		Controller breakdown	Replace it
		Fuse burnt	Replace it
		Electrical mainboard is broken	Replace it
2	No cooling	The pump is broken	Replace it
		No water or not enough water	Add it
		The cool key on the controller is broken	Replace the controller
		Electrical mainboard is broken	Replace it
3	No airflow	The key on the controller is broken	Replace the controller
		The motor is broken	Replace it
4	Unpleasant odour	Dirty water	Change it to clean water
		Dirty cooling pad	Clean it

Note:the table is only for your reference,need more help please contact with us or the distributor.

Technical parameters

Model Specifications	AIRBLASTER 12	AIRBLASTER 11	AIRBLASTER 14 AIRBLASTER 14-HT
MAX Airflow (m ³ /h)	5000	4000	7500
Pressure (Pa)	80	70	70
Power(w)	120	80	160
Voltage/Hz (V/Hz)	220/60	220/60	220/60
Net Weight (kg)	21	15	25(14) 28.5(14-HT)
Operating Weight(kg)	61	45	55(14) 89(14-HT)
Fan Type	Axial	Axial	Axial
Speed type	Three speed	Three speed	Three speed
Noise (dBA)	≤55	≤52	≤57
Discharge Dimension(mm)	470×435	430×400	430×845
Pads Dimension(mm)	(630+30) ×445×75(2PS) (630+30) ×225×50(1PS)	(525+30) ×180×35(2PS) (500+30) ×360×75(1PS)	(890+30) ×180×35(2PS) (870+30) ×360×70(1PS)
Overall Dimension(mm)	610×415×1280	515×350×1170	515×350×1550(14) 515×350×1750(14-HT)
Water Storage(L)	40	30	30(14) 60(14-HT)

Technical parameters

Model Specifications	AIRBLASTER 12NV	AIRBLASTER 21	AIRBLASTER 22
MAX Airflow (m ³ /h)	5000	4000	5000
Pressure (Pa)	80	70	120
Power(w)	120	80	160
Voltage/Hz (V/Hz)	220/60	220/60	220/60
Net Weight (kg)	21	16.5	20
Operating Weight(kg)	61	77	60
Fan Type	Axial	Axial	Centrifugal
Speed type	Three speed	Three speed	Five speed
Noise (dBA)	≤55	≤52	≤52
Discharge Dimension(mm)	470×435	430×400	280×610
Pads Dimension(mm)	(630+30) ×445×75(2PS) (630+30) ×225×50(1PS)	(525+30) ×180×35(2PS) (500+30) ×360×75(1PS)	(760+30) ×305×100(1PS)
Overall Dimension(mm)	610×415×1280	515×350×1370	475×350×1270
Water Storage(L)	40	60	40